

XP-002150262

N ***129:335475*** CA
 TI High-concentration dispersions of oil-containing quaternary ammonium salts-based vesicles for hair-care products, etc.
 IN. Tsukagoshi, Susumu; Umezawa, Hiroaki; Kiyama, Kentaro; Nago, Kazuo
 PA Lion Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN. CNT 1

PD	1.2	2
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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 10298149	A2	19981110	JP 1997-121674	19970424
AB	The dispersions contain 5-60% bimol. membrane vesicles of quaternary ammonium salts in which oils are enclosed, and 0.5-20% sugar alcs. as viscosity-reducing agents. Sugar alcs. may be added to a 1st and/or 2nd aq. phase for prepn. of the dispersions. The dispersions are useful for hair conditioners, etc., and as textile softeners. A mixt. of distearoyloxyethyltrimethylammonium chloride, 10, fat-sol. perfume 5, 11 paraffin 1, cetyl alc, 0.5, and <u>silicone oil</u> 1.5% was mixed with a part an aq. phase contg. 1% CaCl ₂ and 20% sorbitol, and the resulting liq. crystal compn. was further mixed with the residual part of the aq. phase to give a hair rinse having viscosity 15 cP.				
IC	ICM C07C211-63				
	ICS B01J013-00; C11D001-62; C11D003-22; D06M013-46; A61K007-06; A61K007-08				
CC	62-3 (Essential Oils and Cosmetics)				
	Section cross-reference(s): 40				
ST	quaternary ammonium salt vesicle dispersion rinse; hair softener				
	quaternary ammonium salt dispersion; fabric softener quaternary ammonium salt dispersion; alditol viscosity reducer quaternary ammonium dispersion				
IT	Quaternary ammonium compounds, biological studies				
	RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)				
	(dimethylditolalkyl, chlorides; high-concn. dispersions of oil-contg. quaternary ammonium salt bimol. membrane vesicles using sugar alcs. as viscosity reducing agents for hair rinses, etc.)				
IT	Bilayer membranes				
	Disperse systems				
	Fabric softeners				
	Hair conditioners				
	Vesicles (colloidal)				
	(high-concn. dispersions of oil-contg. quaternary ammonium salt bimol. membrane vesicles using sugar alcs. as viscosity reducing agents for hair rinses, etc.)				
IT	Alditols				
	RL: BUU (Biological use, unclassified); MOA (Modifier or additive use); PRP (Properties); BIOL (Biological study); USES (Uses)				
	(high-concn. dispersions of oil-contg. quaternary ammonium salt bimol. membrane vesicles using sugar alcs. as viscosity reducing agents for hair rinses, etc.)				
IT	Quaternary ammonium compounds, biological studies				
	RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)				
	(high-concn. dispersions of oil-contg. quaternary ammonium salt bimol. membrane vesicles using sugar alcs. as viscosity reducing agents for hair rinses, etc.)				
IT	50-70-4, Sorbitol, biological studies 69-65-8, Mannitol 87-99-0, Xylitol				
	RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);				

PRP (Properties); BIOL (Biological study); USES (Uses)
(high-concn. dispersions of oil-contg. quaternary ammonium salt bimol.
membrane vesicles using sugar alcs. as viscosity reducing agents for
hair rinses, etc.)

IT 67846-68-8, Distearoyloxyethyldimethylammonium chloride 148000-42-4,
Dioleoyloxyethyldimethylammonium chloride
RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological
study); USES (Uses)
(high-concn. dispersions of oil-contg. quaternary ammonium salt bimol.
membrane vesicles using sugar alcs. as viscosity reducing agents for
hair rinses, etc.)